

Datenbank-Name	Vergleich Endometriose Versus Normal (sekr. Phase)	Vergleich Endometriose Versus Normal (prol. Phase)	Vergleich sek. versus prol. Phase (Endometrium)
X02761, fibronectin (FN precursor)	down (0 up - 16 down)	down (4 up - 12 down)	up (18 up - 1 down)
S37730, insulin-like growth factor binding protein-2	down (1-15)	nc (13-13)	up (17-2)
U40271, Human transmembrane receptor precursor (PTK7)	down (0-14)	nc (6-2)	up (9-1)
M21574, platelet-derived growth factor receptor alpha (PDGFRA)	down (0-13)	nc (8-10)	up (17-0)
L22548, collagen type XVIII alpha 1 (COL18A1)	down (0-13)	down (0-8)	up (17-0)
M80482, subtilisin-like protein (PACE4)	down (1-13)	down (4-13)	up (22-2)
Z26653, laminin M chain (merosin)	down (1-13)	nc (9-10)	up (17-1)
M36860, U77846, Elastin	down (0-12)	nc (0-0)	up (25-0)
X05610, type IV collagen alpha -2 chain	down (0-12)	nc (3-3)	up (11-0)
X67325, p27 interferon alpha-inducible gene	down (1-12)	nc (9-10)	up (10-2)

Abbildung 1

Figure 1

[Key to Table:]

Datenbank-Nr., Name = Data Bank No., Name
Vergleich Endometriose versus Normal (sekr. Phase) = Comparison
of Endometriosis versus Normal (Secr. Phase)
Vergleich Endometriose versus Normal (prol. Phase) = Comparison
of Endometriosis versus Normal (Prol. Phase)
Vergleich sekr. versus prol. Phase (Endometrium) = Comparison
of Secr. versus Prol. Phase (Endometrium)

Datenbank-Nr., Name	Vergleich Endometriose versus Normal (sekr. Phase)	Vergleich Endometriose versus Normal (prol. Phase)	Vergleich sekr. versus prol. Phase (Endometrium)
D42073, reticulocalbin	down (0-11)	nc (8-5)	up (11-2)
U07919, aldehyde dehydrogenase 6	down (1-11)	nc (13-9)	up (22-0)
U81607, gravin	down (1-11)	nc (8-7)	up (18-1)
M30269, nidogen	down (0-10)	nc (8-14)	up (15-3)
D42108, phospholipase C Epsilon	down (1-10)	nc (12-14)	up (25-0)

Abbildung 1

Figure 1

[Key to Table:]

Datenbank-Nr., Name = Data Bank No., Name
Vergleich Endometriose versus Normal (sekr. Phase) = Comparison
of Endometriosis versus Normal (Secr. Phase)
Vergleich Endometriose versus Normal (prol. Phase) = Comparison
of Endometriosis versus Normal (Prol. Phase)
Vergleich sekr. versus prol. Phase (Endometrium) = Comparison
of Secr. versus Prol. Phase (Endometrium)

Figure 2

Proteinsequenz = Protein Sequence
Fibronektin = fibronectin

[Key to Table:]

Proteinsequenz = Protein Sequence
Fibronektin = fibronectin

Abbildung 2

Seq.IDNO	Name	Proteinsequenz
		<p>PAVTVRYRI TYGETGGNSP VOFTVPGSK STATISGLKP GVDYITITVYA VTGRGDSPAS SKPISINYRT EIDKPSQMQV TDVQDNSISV KWLPPSSSPVT GYRVTTTPKN GPGTKTKTA GPDQTEMTIE GLQPTVEYVW SVYAQNPSGE SQPLVQTAVT NIDRPKGLAF TDVDVDSIKI AWESPQGQVS RYRVTYSSPE DGIHELFPAP DGEEDTAELQ GLRPGSEYTV SVVALHDDME SQPLIGTQST AIPAPTDLKF TQVTPTSLSA QWTPPNVQLT GYRVRVTPKE KTGPMKEINL APDSSSVVVS GLMVATKYEV SVYALKDTLT SRPAQGVVTT LENVSPPRRA RVTDATETI TISWRTKTET ITGFQVDAVP ANQOTPIQRT IKPDVRSYTI TGLQPGTDYK IYLYTLNDNA RSSPVVIDAS TAIDAPSNLR FLATTPNSLL VSWQPPRARI TGYIIEKPEK GSPPREVVPR PRPGVTEATI TGLEPGTEYT IYVIALKNNQ KSEPLIGRKK TDELPQLVTL PHPNLHGPEI LDVPSTVQKT PFVTHPGYDT NGIQLPGTS GQPSVCGQM IFEEHGFRT TPPTTATPIR HRPRYPNNV GEEIQIGHIP REDVDYHLYP HGPGLNPNAS TGQEALSQTT ISWAPFQDTS EYIISCHPVG TDEEPLQPRV PGTSTSATLT GLTRGATYNI IVEALKDQQR HKVREEVTV GNSVNEGLNQ PTDDSCFDPY TVSHVAVGDE WERMESGFK LLCQCLGFGS GHFRCDSSRW CHDNGVNYKI GEKWDROGEN QOMMSCTCLG NGKGFEKCDP HEATCYDDGK TYHVGEQWQK EYLGAICSCT CFGGQRGWRC DNCRRPGGEP SPEGTTGQSY NQYSQRYHOR TNTNVNCPTE CFMPLDVQAD REDSRE</p>
2	Insulin-like growth factor binding protein-2	<p>MLPRVGCAL PLPPPLPLPL LPLLLLLGA SGGGGGARA ERLAACPCTP VAPPAVAAV AGGARMPCAE LVREPGCGCC SVCARLEGEA CGVYTPRCGQ GLRCYPHPS ELPLQALVMG EGTCEKRRDA EYGASPEQVA DNGDDHSEGG LVENIHVDSM NMLGGGSAG RKPLKSGMKE LAVFREKYTE QHRQMGKGK HHLGLEEPKK LRPPPARTPC QQLDQVLER ISTMRLPDER GPLEHLYSLH IPNCDKHGLY NLKQCKMSLN GQGEWCVCN PNTGKLIQGA PTIRGDPCH LFYNEQGEAR GVHTQRMQ</p>

Figure 2

Protein Sequences

[Key to Table:]

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Abbildung 2

Seq.IDNO	Name	Proteinsequenz
3	Transmembrane receptor PTK7	MGAARGSPAR PRRLLLSVL LLPLLGGTQT AIVFIKQPSS QDALQRRAL LRCEVEAPGP VHVYLLDGA PVQDTERRFA QGSSLSFAAV DPLQDSGTFQ CVARDDVTGE EARSANASFN IKWIEAGPVV LKHPASEAEI QPQTQVKLRC HIDGHPRTY QWFRDGTPLS DGQSNHTVSS KERNLTLRPA GPEHSGLYSC CAHSAFSQAC SSQNFLLSIA DESFARVVLA PQDVVVARYE EAMFHCQFSA QPPPSLQWLF EDETPITNRS RPPHLRRATV FANGSLLLTQ VRPRNAGIYR CIGQGQRGPP IILEATLHLA EIEDMPLFEP RVFTAGSEER VTCLPPKGLP EPSVWWEHAG VRLPTHGRVY QKGHELVLAN IAESDAGVYT CHAANLAGQR RQDVNITVAT VPSWLKKPQD SQLEEGKPGY LDCLTQATPK PTVVWYRNQM LISEDSRFEV FKNGTLRINS VEYDGTWYR CMSSTPAGSI EAQAVLQVLE KLKFTPPPQP QQCMGFDKEA TVPCSATGRE KPTIKWERAD GSSLPEWVTD NAGTLHFARV TRDDAGNYTC IASNGPQGQI RAHVQLTVAV FITFKVEPER TTVYQGHIAL LQCEAQGDPK PLIQWKGKDR ILDPTKLGR MHIFQNGSLV IHDVAPEDSG RYTCIAGNSC NIKHTEAPLY VVDKVPVEES EGPSPPPYK MIQTIGLSVG AAVAYIIAVL GLMFYCKKRC KAKRIQKQPE GEEPEMECLN GGPLQNGQPS AEIQEEVALT SLGSGPAATN KRHSTSDKMV FPRSSLQPIT TLGKSEFGEV FLAKAQGLEE GVAETLVLVK SLQSKDEQQQ LDFRRELEMF GKLNHANVVR LLGLCREAEP HYMVLEYVDL EDLKQFLRIS KSKDEKLKSQ PLSTKQKVAL CTQVALGMEH LSNNRFVHKD LAARNCLVSA QRQVKVSALG LSKDVYNSEY YHFRQAWVAL RWMSPEAILE GDFSTKSDVW ASGVLMWEVF THGEMPHGGQ ADDEVILADLQ AGKARLPQPE GCPSKLYRLM QRCWALSPKD RPSFSEIASA LGDSTVDSEK
4	platelet-derived growth receptor alpha	MGTSHPAFLV LGCLLTGLSL ILCQLSLPSI LPNENEKVQV LNSSFSLRCF GESEVSWQYP MSEEESDVE IRNEENNSGL FVTVLEVSSA SAAATGLYTC YNNHTQTEEN ELEGRHIYIY VPDPDVAFVP LGMTDYLIV EDDDSAIIPC RTTDPETPVT LHNSEGVVPA SYDSRQGFNG TFTVGPYICE ATVKGKKFQT IPFNVYALKA

Figure 2

Proteinsequenz

[Key to Table:]

Proteinsequenz = Protein Sequence

Abbildung 2

Seq.IDNO	Name	Proteinsequenz
		<p> TSELDEMEA LKTVYKSGET IVVTCAVFN EVVDLQWTP GEVKGKGITM LEEIKVPSIK LVYTLTVPEA TVKDSGDYEC AARQATREV EMKKVTISVH EKGFIKPT FSQLEAVNLH EVKHFVVEVR AYPPIRISWL KNNLTLIENL TEITTDVEKI QEIRYRSKLK LIRAKEEDSG HYTIVAQNE AVKSYTFELL TQVPSSILDL VDDHHGSTGG QTVRCTAEGT PLPDIEWMIC KDIIKKCNNET SWTILANNVS NIITEIHSRD RSTVEGRVTF AKVEETIAVR CLAKNLLGAE NRELKLVAPT LRSELTVAAG VLVLVIVII SLIVLVVIWK QKPRYEIRWR VIESISPDGH EYIYVDPMQL PYDSRWEFPR DGLVLGRVLG SGAFGVVEG TAYGLSRSQP VMKVAVKMLK PTARSSEKQA LMSELKIMTH LGPHLNIIVNL LGACTKSGPI YIITEYCFYG DLVNYLHKNR DSFLSHHPEK PKKELDIFGL NPADESTRSY VILSFENNGD YMDMKQADTT QYVPMLEKE VSKYSDIQRS LYDRPASYYK KSMLDSEVKN LLSDDNSEGL TLDDLSTY QVARGMEFLA SKNCVHRDLA ARNVLLAQGK IVKICDFGLA RDMHDSNVV SKGSTFLPVK WMAPESIFDN LYTTLSDVWS YGILLWEIFS LGGTPYPGMM VDSTFYNNKIK SGYRMKPDH ATSEVYEIMV KCWNSEPEKR PSFYHLSEIV ENLPGQYKK SYEKIHLDFL KSDHPAVARMVDSNDAYIG VTYKNEEDKL KWEGLDEQ RLSADSGYII PLPDIDPVPE EEDLGKRNRI SSQTSESAI ETGSSSTFI KREDETIEDI DMDDDIGIDS SDLVEDSFL </p>
5	Collagen XVIII alpha 1 type	<p> GEVGADGIPG FPGLPGRGI AGPQPKGDR GSRGEKDPG KDGLQPGLP GPRGPPGPV YVSEQDGSVL SVPGPEGRRG FAGPPGPAGP KGNLGSKGEL GSPGPKGEG EPGSIFSPDG GALGPAQKGA KGEPPFRGPP GLYGRPGYKG EIGFPPRPGR PGMNGLKGEK GEPGDASLGF GMRGMPGPG PPGPPGPGT PVYDSNVFAE SSRPGPPGLP GNQGPFGPKG PKGEVGPFGP PGQFPDFLQ KEAEMKGEK DRGDAGQKE RGEPPGGGFF GSSLPGAPGA PGRGYPGIP GPKGESIRGQ PGPPGPGPP GIGYEGRQGP PGPPGPPGPP SFGPHRQTI SVPGPPGPPG PPGPPGTGA SSGQVRLWAT RQAMLGQVHE VPEGWLIFVA EQEELYVRVQ NGFRKVQLEA RTPLPRGTDN EVAALQPPV QLHDSNPYPR REHPHTARP WRADDILASP PGLPEPQYP GPHHSSVYH CGPARPTSP AHSHRDFQPV LHLVALNSPL SGMRGIRGA DFQCFQARA VGLAGTFRAF LSSRLQDLYS </p>

Figure 2

protein sequence

[Key to Table:]

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Abbildung 2

Seq.IDNO	Name	Proteinsequenz
6	Subtilisin-like protein (PACE4)	<p>IVRRADRAAV PIVNLKDELL FPSWEALFSG SEGPLKPGAR IFSFDGKDLV RHPTWPQKSV WHGSDPNRRR</p> <p>LTESYCYETWR TEAPSATGQA SSLIGGRLLG QSAASCHHAY IVLCIENSFM TASK</p> <p>MPPRAPAPG PRPPPRAAAA TDTAAGAGGA GGAGGAGGPG FRPLAPRPWR WLLLLALPAA CSAPPPRPVY</p> <p>TNHWAVQVLG GPAEADRVAA AHGYLNLGQI GNLEDYVYHFY HSKTFKRSTL SSRGPHFTLR MDPQVKWLQQ</p> <p>QEVKRRVKRQ VRSDPPQALYF NDPIWSNMWY LHCGDKNSRC RSEMNVQAAW KRGYTGKNVV VTILDDGIER</p> <p>NHPDLAPNYD SYASYDVNGN DYDPSPRYDA SNENKHGTRC AGEVAASANN SYCIVGIAYN AKIGGIRMLD</p> <p>GDVTDVVEAK SLGIRPNYID IYSASWGPDD DGKTVDPGPR LAKQAFEYGI KKGRQGLGSI FVWASNGGGR</p> <p>EGDYCSCDGY TNSIYTISVS SATENGYKWP YLEECASITLA TTVSSGAFYE RKIVTTDLRQ RCTDGHGTGS</p> <p>VSAPMVAGII ALALEANSQ L TWRDVQHLLV KTSRPAHLKA SDWKVNGAGH KVSIFYGFG L VDAEALVVEA</p> <p>KKWTAVPSQH MCVAASDKRP RSIPLVQVLR TTALTSACAE HSDQRVVYLE HVVVRTSISH PRRGDIQIYL</p> <p>VSPSGTKSQL LAKRLDLLSN EGFTNWEFMT VHCWGEKAEQ QWTLLEIQDL P SQVRNPEKQG KLKEWSLILY</p> <p>GTAEHPIYHTF SAHQSRSRML ELSAPELEPP KAALSPSQVE VPDEDEEDYA QSTPGSANIL QTSVCHPECG</p> <p>DKGCDGPNAD QCLNCVHFS L GSVKTSRKCV SVCPLGYFGD TAARRCRRCH KGCECTSSRA ATQCLSCRRG</p> <p>FYHHQEMNTC VTLCPPAGFYA DESQKNCLKC HPSCCKKCVDE PEKCTVCKEG FSLARGSCIP DCEPGTYFDS</p> <p>ELIRCGECHH TCGTCVGPGR EECIHCAKNF HFHDWKCVP A CGEGFYPEEM PGLPHKVCRR CDENCLSCAG</p> <p>SSRNC SRCKT GFTQLGTSCI TNHTCSNADE TFCMVKSNR LCERKLFIQF CCRTCLLAG</p>
7	Laminin M chain (Merosin)	<p>MPGAAGVLLL LLLSGGLGGV QAQRPOQQRQ SQAHQQRGLF PAVLNLASNA LITTNATCGE KGPEMYCKLV</p> <p>EHVPGQPV RN PQCRICNQNS SNPNQRHPIT NAIDGKNTW QSPSIKNGIE YHYVTITLDL QQVFQIAYVI</p> <p>VKAANSRPPG NWILERSLDD VEYKPWQYHA VTDTECLTLY NIYPRTGPPS YAKDDEVICT SFYSKIHPLE</p> <p>NGEIHISLIN GRPSADDPSP ELLEFTSARY IRLRFQIRIT LNADLMMFAH KDPREIDPIV TRRYIYSVKD</p> <p>ISVGGMCICY GHARACPLDP ATNKSRCCE HNTCGDSCDQ CCPGFHQKPW RAGTELTKE CEACNCHGKA</p>

Figure 2

protein sequence

[Key to Table:]

Proteinsequenz = Protein Sequence

Abbildung 2

Seq.IDNO	Name	Proteinsequenz
		<p>EECYDENVA RRNLSLNRG KYIGGGVCIN CTQNTAGINC ETCTDGFRRP KGVSPNYPRP CQPCHCDPIG SLNEVCVKDE KHARRGLAPG SCHCKTGFEGG VSCDRKARGY TGYPDCKACN CSGLSKKNED PCFGPCICKE NVEGGDCSRC KSGFFNLQED NMKGDECPC SGVSNRCQSS YWTYGKIQDM SGWYLTDLPG RIRVAPQDDD LDSPQQISIS NAEARQALPH SYWWSAPAPY LGNKLPAVGG QLTFTTISYDL EEEEEEDTERV LQLMIILEGN DLSISTAQDE VYLHPSEHT NVLLKEESF TIHGTFFPVR RKEFMTVLAN LKRVLQITY SFGMDAIFRL SSVNLESAYS YPTDGSIAAA VEVQCPCPGY TGSSCESCW P RHRRVNGTIF GGICEPCQCF GHAESECDVDT GECLNCKDHT GGPYCDKCLP GFYGEPTKGT SEDCQPCACP LNIPSNFSP TCHLDRSLGL ICDGCPVGYT GPCRCAEG YFGQPSVPGG SCQPCQCN DN LDFSIPGSCD SLGSLICK PGTTRYCEL CADGYFGDAV DAKNCQPCRC NAGGSPSEVC HSQTQCECR ANVQQRCDK CKAGTFGLQS ARGCVPCNCN SFGSKSFDCE ESGQCWCQPG VTGKKCDRCA HGYFNFOEGG CTACECSHLG NNCDPKTGRC ICPNTTIGEK CSKCAPNTWG HSITTGCKAC NCSTVGS LDF QCNVNTGQCN CHPKFSCAK TECSRGHWN Y PRCNI.CDCFL PGTDATTCDS ETKKCSQSDQ TGQCTCKNV EGIHCDRCRP GKFGLDKPN LGCSSCYCFG TTTQCSEAKG LIRTVVTLKA EQTILPLVDE ALQHTTTTKGI VFQHP EIVAH MDLMREDLHL EPFYWKLP EQ FEGKLMAYG GKLYAIYFE AREETGFSTY NPQVIIRGGT PTHARIIVRH MAAPLIGQLT RHEIEMTEKE WKYIYGGDDPRV HRTVTREDFL DILYDIHYIL IKATYGNFMR QSRISEISME VAEQGRGTTM TPPADLIEK DCPLGYSGLS CEACLPGFYR LRSQPGGRTP GPTLGTCTVPC QCNGHSSLCD PETSICQNCQ HHTAGDFCER CALGYYGIVK GLPNDCCQCA CPLISSNNF SPSCVAEGLD DYRCTACPRG YEGQYECERCA PGYTGSPGNP GGSCQCECED PYGSLPVPCD PVTGFCTCRP GATGRKCDGC KHW HAREGWE CVFCGDECTG LLLGD LARLE QMVMSINLTG PLPAPYKMLY GLENMTQELK HLLSPQRAPE RLIQLAEGNL NTLVTEMNEL LTRATKVTAD GEQTGQDAER TNTRAKSLGE FIKELARDAE AVNEKAIKLN ETGLTRDEAF ERNLEGLQKE IDQMIRLRR KNLETQKEIA EDELVAEAL LKKVKKL FGE SRGENEEMEK DLREKLADYK NKVDDAWDLL REATDKIREA NRLFAVNQKN MTALEKKKEA VESGKRQIEN TLKEGNDILD EANRLADEIN SIIDYVEDIQ TKLPPMSEEL NDKIDDL SQE IKDRKLAEKV</p>

Figure 2

continued

[Key to Table:]

Proteinsequenz = Protein Sequence

Abbildung 2

Seq.IDNO	Name	Proteinsequenz
		<p>SQAESHAAQL NDSSAVLDGI LDEAKNISFN ATAFAKAYSN IKDYIDEAEK VAKEAKDLAH EATKLATGPR</p> <p>GLLKEDAKGC LQKSFRIINE AKKLANDVKE NEDHLNGLKT RIENADARNG DLLRTLNDTTL GKLSAIPNDT</p> <p>AAKLQAVKDK ARQANDTAKD VLAQITELHQ NLDGLKKNYN KLADSVAKTN AVVKDPSKNK IIADADATVK</p> <p>NLEQEADRLI DKLKPIKELE DNLKKNISEI KELINQARKQ ANSIKVSVSS GGDCIRTYKP EIKKGSYNNI</p> <p>VNVKTAVAD NLLFYLGSAK FIDFLAEMR KGKVSFLWDV GSGVGRVEYP DLTIDDSYWY RIVASRTGRN</p> <p>GTISVRALDG PKASIVPSTH HSTSPPGYTI LDVDANAMLF VGGLTGKLLK ADARVITFT GCMGETYFDN</p> <p>KPIGLWNFRE KEGDCKGCTV SPQVEDSEGT ATRDLRDFMS VELTDGHIKV SYDLGSGMAS VVSNQNHNDG</p> <p>KWKSFTLSRI QKQANISIVD IDTNQEENIA TSSSGNNFGL DLKADDKIYF GGFLPTLRNLS MKARPEVNLK</p> <p>KYSGCLKDIE ISRTYPYNLS SPDYGVVTKG CSLENVYTVS FPKPGFVELS PVPIDVGTEI NLSFSTKNES</p> <p>GIILLGSGGT PAPRRKRQ TGQAYYVILL NRGRLVHLS TGARTMRKIV IRPEPNLPHD GREHSHVHER</p> <p>TRGIFTVQVD ENRRYMQNLT VEQPIEVKKL FVGGAPEFQ PSPLRNIPPF EGCINNLVIN SVPMDFARPV</p> <p>SFKNADIGRC AHQKLREDED GAAPAEIVIQ PEPVPTPAFP TPTTPVLTHGP CAAESEPALI IGSKQFGLSR</p> <p>NSHTAIAFDD TKVKNRLTIE LEVRTEAESG LLFYMAAINH ADFATVQLRN GLPYFSYDLG SGDTHMTIPT</p> <p>KINDGQWHKI KIMRSKQEGI LYVDGASNRT ISPKKADILD VVGMLYVGGI PINYTTRRIG PVTYSIDGCV</p> <p>RNLHMAEAPA DLEQPTSSFH VGTCFANAQR GTYFDGTGFA KAVGGFKVGL DLLVEFEFAT TTTTGVLIGI</p> <p>SSQKMDGMGI EMIDEKLMFH VDNAGRFTA VYDAGVPGHL CDGQWHKVTA NKIKHRIELT VDGNOVEAQS</p> <p>PNPASTSADT NDPVFVGGFP DDLKQFGLTT SIPFRGCIRS LKLTGKTASH WRLILPRPWN</p>
8	Elastin	<p>MAGLTAAPR PGVLLLLLSI LHPSRPGGVP GAIPGGVPGG VFYPGAGLGA LGGGALGPGG KPLKPVPGGL</p> <p>AGAGLGAGLG APPAVTFPGA LVPGGVADAA AAYKAAKAGA GLGGVPGVGG LGVSAGAVVP QPGAGVKPGK</p> <p>VPGVGLPGVY PGGVLPGARF PGVGVLPGVP TGAGVVKPAP GVGGAFAGIP GVPGFGPQP GVPLGYPIKA</p> <p>PKLPGGYGLP YTTGKLPYGY GPGSVAGAAG KAGYPTGTGV GPQAAAAA KAAAKFGAGA AGVLPGVGGA</p>

Figure 2

Proteinsequenz

[Key to Table:]

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Abbildung 2

Seq.IDNO	Name	Proteinsequenz
9	Alpha-2 type IV collagen	<p>GVPGVPGAIP GIGGIAGVGT PAAAAAAAAA AKAAYGAAA GLVPGGPGFG PGVVGVPGAG VPGVGVPGAG</p> <p>IPVVPAGAGIP GAAVPGVVSP EAAAAKAAAAA AKYGARPGVG VGGITYGVG AGFPFGVG VGGIPGVAGV</p> <p>PSVGGVPGVG GVPGVGISPE AAAAAKAAA KYGVGTAAAA AAKAAKAAQ FALNLALV PGVGVAPGVG</p> <p>VAPGVGVAPG VGLAPGVGVA PGVGVAPGVG VAPGIGPGV AAAAKSAAKV AAKAQLRAAA GLGAGIPGLG</p> <p>VGVGVPGIGV GAGVPGLVG AGVPGFGAVP GALAAKAAK YGAAVPGVLG GLGALGGVGI PGGVVGAGPA</p> <p>AAAAAAKAAA KAAQFGLVGA AGLGGLGVGG LGVPGVGGIG GIPAAAAKA AKYAAAGLGG VLGAGQFPPL</p> <p>GGVAARPGFG LSPFFPGAC LGKACGRKRK</p> <p>MGRDORAVAG PALRRWLLLG TTVTFLAQS VLAGVKKFDV PCGGRDCSGG CQCYPEKGR QQPGVVPQG</p> <p>YNGPPGLQGF PGLQGRKGD KGERGPGVTG PKGDVGARGV SGFPGADGIP GHFGQGGPRG RFGYDGCNGT</p> <p>QGDSPQGGP GSEGTGPPG PQGPKQKGE PYALPKEERD RYRGEPGEPG LVGFQGGPRG PGHVGMQMPV</p> <p>GAPGRPGPPG PPGPKGQQGN RGLGFYGVKG EKGDVGQPGP NGIPSDTLHP IIAPTGVTFH PDQYKGEKGS</p> <p>EGEPGIRGIS LKGEEGIMGF PGLRGYPGLS GEKSPGQKG SRGLDGYQGP DGPRGPKGEA GPPGPPGLPA</p> <p>YSPHPSLAKG ARGDPGPPGA QGEPGSGEP GDPLPGPPG LSIGDGDQRR GLPGEMGPKG FIGDPGIPAL</p> <p>YGGPPGPDGK RGPPGPPGLP GPPGPDGFLF GLKGAAGRAG FPGLPGSPA RPKGWKGA GECCTEGDE</p> <p>AIKGLPLPG PKGFAGINGE PGRKGDKGDV GQHGLPGFPG LKGVPGNIGA PGPKGAKGDS RTITTKGERG</p> <p>QPGVPGVPGM KDDGSPGRD GLDGFPGLPG PPGDGKGGP GDPPGPGIPG TKGTPGEMGP PGLGLPLKG</p> <p>QRFPGDAGL PGPPGFLGPP GPAGTPGQID CDTDVKRAVG GDRQEAIQPG CIAGPKGLPG LPGPPGPTGA</p> <p>KGLRGIPGFA GADGGPPRG LPGDAGREGF PGPPGFIGPR GSKGAVGLPG PDGSPGPIGL PGPDGPPGER</p> <p>GLPGEVLGAQ PGPRGDAGVP GQGLKGLPG DRGPPGFRGS QGMPGMPGLK GQGLPGPSG QPGLYGPPL</p> <p>HGFPAGPQGE GPLGLPGIPG REGLPGRGD PGDTGAPGPV GMKGLSGDRG DAGFTGEQGH PGSPGFKGID</p> <p>GMPGTPGLKG DRGSPGMDGF QGMPGLKGRP GFPGSKGEAG FFGIPGLKGL AGEPPGKGR GDPGPPGPPP</p>

Figure 2

Protein Sequences

[Key to Table:]

Proteinsequenz = Protein Sequence

Abbildung 2

Seq.IDNO	Name	Proteinsequenz
		<p>VILPGMKDIK GEKDEGPMG LKGYLGAKGI QGMPGIPGLS GIPGLPRPG HIKGVKGDIG VPGIPGLPGF</p> <p>PGVAGPPGIT GFPFGISRG DKGAPGRAGL YGEIGATGDF GDIGDTINLP GRPGLKGERG TTGIPGLKGF</p> <p>FGEKGTEGDI GFPGITGVG VQGPPLKQ TGFPGLTGPP CSQGLCRIG LPGAQKDDGW PGAPGLPGFP</p> <p>GLRGIRLHG LPTKGFPGS PGSDIHGDPG FPGPPGERG PGEANTLPGP VGVPQKGDQ GAPGERGPPG</p> <p>SPGLQGFPGI TPPSNISGAP GDKGAPGIFG LKGYRGPPGP PGSALPGSK GDTGNFGAPG TPPTKGWAGD</p> <p>SGPQGRPGVF GLPGEKGRG EQGFMGNTGP TGAVGDRGPK GPKGDPGFP APGTVGAPGI AGIPQKIAIQ</p> <p>PCTVGPQGRR GPPGAPGEIG PQGPPGEPGF RGAPGKAGPQ GRGGVSAVPG FRGDEGPIGH QGPQGEGAP</p> <p>GRPGSPGLPG MPRSVSIGY LLVKHSQTDQ EPMCPVGMNK LWSGYSILYF EGQEKAHNQD LGLAGSCLAR</p> <p>FSTMPFLYCN PGDVCCYASR NDKSYWLSTT APLPMMPVAE DEIKPYISRC SVCEAPAIAI AVHSQDVSIIP</p> <p>HCPAGWRSLW IGYSFLMHTA AGDEGGQSL VSPGSCLEDF RATPFIECNG GRGTCHYYAN KYSFWLTTIP</p> <p>EQSFQGSPSA DTLKAGLIRT HIRSCQVCMK NL</p>
10	p27	<p>MEASALTSSA VTSVAKVVRV ASGSVVVLPL ARIATVVIGG VVAMAAVPMV LSAMGFTAAG IASSIAAKM</p> <p>MSAAAIANGG GVASGSLVGT LQSLGATGLS GLTKFILGSI GSAIAAVIAR FY</p>
11	Reticulocalbin	<p>MARGGRRL GLALGLLAL VLAPRVLRK PTVRKERVVR PDSSELGERPP EDNQSFQYDH EAFLGKEDSK</p> <p>TFDQLTPDES KERLGKIVDR IDNDGDGFVT TEELKTWIKR VQKRYIFDNV AKVWKDYDRD KDDKISWEEY</p> <p>KQATYGYLG NPAEFHDSSD HHTFKKMLPR DERRFKAADL NGDLTATREE FTAFLLHPEEF EHMKEIVVLE</p> <p>TLEDIDKNGD GFVDQDEYIA DMFSHEENG EPDWVLSERE QFNEFRDLNK DGKLDKDEIR HWILPQDYDH</p> <p>AQAEARHLVY ESDKNKDEKL TKEEILENN MFVGSQATNY GEDLTKNIDE L</p>
12	Aldehyde dehydrogenase 6	<p>MATANGAVEN GQPDGKPPAL PRERNLEVK FTKIFINNEW HESKSGKKPA TCNPSTREQI CEVEEGDKPD</p> <p>VDKAVEAAQV AFQRGSPWRR LDALSRRLL HQLADLVERD RATLAALETM DTGKPFLLHAF FIDLEGCIPT</p>

Figure 2

Figure 2

[Key to Table:]

Proteinsequenz = Protein Sequence

Abbildung 2

Seq.IDNO	Name	Proteinsequenz
13	Gravin	<p> LRYFAGWADK IQGKTIPTDD NVVCFTRHEP IGVCGAITPW NFPLLLMLVWK LAPALCCGNT MVLKPAEQTP LTALYLGSLI KEAGFPFPGV NIVPGFGPTV GAAISSHPQI NKIAFTGSTE VGKLVKEAAS RSNLKRVTLE LGGKNPCIVC ADADLDLAVE CAHQGVFFNQ GQCCTAASRV FVEEQVYSEF VRRSVEYAKK RPYGDPFDVK TEQGPQIDQK QFDKILELIE SGKKEGAKLE CGGSAMEDKG LFIKPTVFSE VTDNMRIAKE EIFGVPQPIL KPKSIEEVIK RANSTDYGLT AAVFTKNLDK ALKIASALES GTVWINCYNALYAQAAPFGGF KMSGNGRELG EYALAEYTEV KTVTIKLGDK NP </p> <p> MGAGSSTEQR SPEQPPEGSS TPAEPEPSGG GPSAEEAPDT TADPAIAASD PATKLLQKNG QLSTINGVAE QDELSLOEGD LNGQKGALNG QGALNSQEEF EVIVTEVGQR DSEDVSRDS DKEMATKSAV VHDITDDGQE ENRNIEQIPS SESNLEELTQ PTESQANDIG FKKVFKFVGF KFTVKKDKTE KPDTVQLLTV KKDEGEAAG AGDHQDPSIG AGEAAKSESE PKQSTEKPEE TLKREQSHAE ISPPAESGQA VEECKEEGEE KQEKEPSKSA ESPTSPVTSE TGSTFKKFFT QGWAGWRKKT SFRKPKEDV EASEKKKEQE PEKVDTEEDG KAEVASEKLT ASEQAHPQEP AESAHEPRLS AEYEKVELPS EEQVSGSQGP SEEKPAPLAT EVFDEKIEVH QEEVVVAEVHV STVEERTEEQ KTEVEETAGS VPAEELVGMV QGSLKKLFT STGLKKLSGK KQKGRGGGD EESGEHTQVP ADSPDSQEEQ PPEGVVSEVE MLSSQERMV GLAEVQQDGE AEEGATSDGE KKREGVTPWA SFKKMVTPEK RVRPSES DK KGESSASSPE EPEITCLEK GLAEVQQDGE AEEGATSDGE KVDTSVSWEA LICVGSKKR ARRRSSSDEE EDELDKVKSA TLLSSTESTAS EMQEEEMKGSV EEPKPEEPKR KVDTSVSWEA LICVGSKKR ARRRSSSDEE GGPKAMGGDH QKADEAGKDK ETGTDGILAG SQEHDPGQGS SSPEQAGSPT EGEVSTWES FKRLVTPRKK SKSKLEEKSE DSIAGSGVEH STPDTEPGKE ESWVSIIKFI PGRKKRPPDG KQEQAPVEDA GPTGANEDDS DVPVVPLSE YDAVEREKME AQQAQKGAEQ PEQKAATEVS KELSESQVHM MAAAVADGTR AATIIERSP SWISASVTEP LEQVEAEAAAL LTEEVLEREV IAEPEPTVT EPLPENREAR GDTWSEAEEL TPEAVTAAET AGPLGSEEGT EASAAETTE MVSAVSQSLTD SPDTTEEATP VQEEGVGVDP IEEQERRTQE VLQAVAEKVK </p>

Figure 2

Proteinsequenz

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Seq.IDNO	Name	Proteinsequenz
		<p>EESQLPGTGG PEDVLQPVQR AEAERPEEQ AEAERPEEQ EASGLKKETD VVLKVDQEA KTEPFTQGV VGQTTPESEF</p> <p>KAPQVTEIE SSELVTTQQA ETLAGVKSQE MVMEQAIPPD SVETPTDSET DGSTPVADEFD APGTTQKDEI</p> <p>VEIHEENEVA SGTQSGGTEA EAVPAQKERP PAPSSFVQEQ ETKEQSKMED TLEHTDKEVS VETVSILSKT</p> <p>EGTQEADQYA DEKTKDVPPF EGLEGSIDTG ITVSREKYTE VALKGEETEE AECKKDDALE LQSHAKSPPS</p> <p>PVEREMVQV EREKTEAEPT HVNEEKLEHE TAVTVSEEV KQLIQTVNVP IIDGAKEVSS LEGSPPPCLG</p> <p>QEEAVCTKIQ VQSSEASFTL TAAAEKVKL GETANILETG ETLEPAGAH VLEEKSSSEKN EDFAAHPGED</p> <p>AVPTGPPCQA KSTPVIVSAT TTKGLSSDLE GEKTTSLKW SDEVDEQVAC QEVKVSVAIE DLEPENGILE</p> <p>LETKSSKLQ NIIQTAVDQF VRTEETATEM LTSELQTOAH VIKADSQDAG QETEKEGEEP QASAQDETPI</p> <p>TSAKEESEST AVQAHSIDIS KDMSEASEKT MTVEVEGSTV NDQQLLEVVL PSEEEGGAG TKSVPEDDDGH</p> <p>ALLAERIEKS LVEPKEDKG DDVDDPENQN SALADTDASG GLTKESPDN GPKQKEKEDA QEVELQEGKV</p> <p>HSESDKAITP QAQEELQKOE RESAKSELTE S</p>
14	Nidogen	<p>MLASSSRIRA AWTRALLLPL LLAGPVGCLS RQELFPFGPG QGDLELEDGD DFVSPALELS GAIIFYDRSD</p> <p>IDAVVVTNG IATSEPPAK ESHPGLPPT FGAVAPFLAD LDITDGLGV YYREDLSPSI TORAAECVHR</p> <p>GFPEISFQPS SAVVVTWESV APYQGPSRDP DQKGRNTFQ AVLASSDSS YAIFLYPEDG LQFHTTFSKK</p> <p>ENNVVPAVVA FSQGSVGFLW KSNAYNIFA NDRESIENLA KSSNSGQGV WVFIEIGSPAT TNGVVVPADVI</p> <p>LGTEDEGAEYD DEDEDYDLAT TRIGLEDVGT TPFSYKALRR GGADTYSVPS VLSPRRAATE RPLGPPPTERT</p> <p>RSFQLAVETF HQHPQVIDV DEVEETGVVF SYNTDSRQTC ANNRHQCSVH AECRDYATGF CCSCVAGYTG</p> <p>NGRQCVAEGS QRVNGKVKG RIFVGSQQVP IVFENTDLHS YVVMNHGRSY TAISTIPETV GYSLPLAPV</p> <p>GGIIGWMFAV EQDGFKNQFS ITGGEFTROA EVTFVGHGPN LVIKQRFSGI DEHGHLLTIDT ELEGRVPQIP</p>

Figure 2

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Seq.IDNO	Name	Proteinsequenz
15	phospholipase Epsilon	<p>FGSSVHIEPY TELYHYSTSV ITSSSTREYT VTEPERDGAS PSRIITYQWR QTITFQECVH DDSRPALPST QQLSVDSVTV LYNQEEKILR YAFSNSIGPV REGSPDALQN PCYIGTHGCD TNAACRPGPR TQFTCECSIG FRGDGRTCYD IDECSEQPSV CGSHTICNNH PGTFRCCEVE GYQFSDEGTC VAVVDQRPIN YCETGLHNCD IPQRAQCIYT GGSSVTCSCV PGFSGDQAC QDVDECQPSR CHPDAFCYNT PGSFTCQCKP GYQGDGFRCV PGEVEKTRCQ HEREHILGAA GATDPQRPPI PGLFVPECDA HGHVAPTQCH GSTGYCWCVD RDGREVEGTR TRPGMTTPCL STVAPPIHQG PAVPTAVIPL PPGTHLLFAQ TGKIERLPLE GNTMRKTEAK AFLHVPKAVI IGLAFDCVDK MVYWTDITEP SIGRASLHGG EPTTIIRQDL GSPEGIAVDH LGRNIFWTDN NLDRIEVAKL DGTQRRVLFE TDLVNPRGIV TDSVRGNLYW TDWNRDNPKI ETSYMDGTNR RILVQDDDLGL PNGLHFDAPS SQLCWVDAGT NRAECLNPSQ PSRRKALEGL QYPFAVTSYG KNLYFTDWMK NSVVALDLAI SKETDAFQPH KQTRLYGITT ALSQCPQGHN YCSVNNGGCT HLCLATPGSR TCRCPDNTLG VDCIERK</p> <p>MPSEKKISSA NDCISFMQAG CELKKVRPNS RIYNRFFTLT TDLQALRWEP SKKDLEKAKL DISAIKEIRL GKNTETFTNN GLADQICEDC AFSILHGENY ESLDLVANS A DVANIWVSL RYLVSRSKQP LDFMEGNQNT PRFMWLKTVF EAAVDVGNGI MLEDTSVELI KQLNPTLKEA KIRLKFEIQ KSKEKLTRV TEEFCEAFC ELCTRPEVYF LLVQISKNE YLDANDLMLF LEAEQGVTHI TEDICLDIIR RYELSEEGRQ KGFLAIDGFT QYLLSSECDI FDPEQKKVAQ DMTQPLSHYY INASHNTYLI EDQFRGPADI NGYIRALKMG CRSVELDVSD GSDNEPILCN RNNMTTHVSF RSVIEVINKF AFVASEYPLI LCLGNHCSLP QQKVMAQQMK KVFNGNKLYTE APLPSESYP SPEKLKRMII VKGKLPSPD DVLEGEVTDE DEEAQMSRRM SVDYNGEQKQ IRLCRELSDL VSICKSVQYR DFELSMKSN YWEMCSFSET EASRIANEYP EDFVYNKKF LSRIYPSAMR IDSSNLNPQD FWNCGCQIVA MNFQTPGPM DLHTGWFLQN GGCGYVLRPS IMRDEVSYFS ANTKGILPGV SPLALHIKII SGQNFPPKPG ACAKGDVIDP YVCIEIHGIP ADCSEQRKT VQONSNDPIF DETFEFQVNL PELAMIRFVV LDDDDYIGDEF IGQYTIPPEC LQPGYRHVPL RSFVGDIMEH VTLFVHIAIT NRSGGGKAQK RSLSVRMGKK</p>

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Proteinsequenz = Protein Sequence

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Seq.IDNO	Name	Proteinsequenz
		VREYTMLRNI GLKTIDDFK IAVHPLREAI DMRENMQNAI VSIKELGLP PIASLKQCLL TLSSRLITSQ NTPSVSLVMK DSFPYLEPLG AIPDVQKKML TAYDLMIQES RFLIEMADTV QEKIVQCQKA GMEFHEELHN LGAKEGLKGR KLNKATESFA WNITVLKGQD DLLKNAKNEA IENMKQIQLA CLSCGLSKAP SSSAEAKSKR SLEAIEEKES SEENGKL

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